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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/483,182	01/13/2000	Li-Wen Chen	19608-000220US	8065

7590 04/05/2004

Charlie Kulas
Carpenter and Kulas, LLP
1900 Embarcadero Rd, Ste. 109
Palo Alto, CA 94303

EXAMINER

COLBERT, ELLA

ART UNIT	PAPER NUMBER
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3624

DATE MAILED: 04/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/483,182

Applicant(s)

CHEN, LI-WEN

Examiner

Ella Colbert

Art Unit

3624

114

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6, 11-15, 30-33 and 40-66 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1-6, 11-15, 30-33, and 40-66 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-6, 11-15, 30-33, and 40-66 are pending. Claims 1-5, 11-15, 30-33, and 40 have been amended, claims 20-24, 29, 38, and 39 have been cancelled, and claims 42-66 have been added in this communication filed 01/12/04 entered as Amendment B, paper no. 16.
2. The IDS filed 01/12/04 is missing from the file. Applicant is respectfully requested to resubmit the IDS for consideration.
3. The Request for Withdrawal of Attorney filed 02/09/04 has been entered as paper no. 18.
4. The Decision on 02/24/04 for the Request for Withdrawal of Attorney was not approved and was entered as paper no. 19.
5. The Request for Withdrawal of Attorney filed 02/02/04 has been entered as paper no. 20.
6. The Decision on 03/08/04 for the Request for Withdrawal of Attorney was not approved and was entered as paper no. 21.

Election/Restrictions

7. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-6, 11-15, 40, 41, 47-51, and 57-61, drawn to receiving a definition of a reverse star schema meta-model, classified in class 705, subclass 10.

Art Unit: 3624

- II. Claims 30-33, 55, 56, 65, and 66, drawn to defining a virtual data model having a reverse star schema organization, classified in class 707, subclass 104.1.
 - III. Claims 52-54 and 62-64, drawn to receiving a virtual data model definition having a reverse star schema organization, classified in class 707, subclass 2.
8. Inventions I, II, and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as receiving a definition of a reverse star schema meta-model, receiving the definition of a customer profile group, generating a data warehouse, receiving input indicating a quantity of interest in the information, dynamically creating a generated database, and displaying a portion of the dynamically generated database. Group II has separate utility such as defining based upon a virtual data model, receiving as input a definition of a second data model, creating a first mapping and a second mapping, and analyzing information based upon the second data model. Group III has separate utility such as receiving a first schema database, receiving a virtual data model definition, mapping information from the first schema database to a second schema database. See MPEP § 806.05(d).
9. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Art Unit: 3624

10. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Groups II and III, the search for Group II is not required for Groups I and III, and the search for Group III is not required for Groups I and II, restriction for examination purposes as indicated is proper.

11. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be completed must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Inquiries


12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ella Colbert whose telephone number is 703-308-7064. The examiner can normally be reached on Monday-Thursday from 6:30 am -5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent Millin can be reached on 703-308-1038. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Art Unit: 3624

Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


E. Colbert
March 31, 2004